Study program: Informatics

Course title: Business Processes

Professor/assistant: Miroljub M. Banković

Type of course: Compulsory

ECTS credits: 5

Prerequisites: none

Aims of the course:

Introduction to the structure and principles of business systems and their operation; getting acquainted with the architecture of information systems; getting acquainted with the modern concept of integrating business processes using computer (CIM systems)

Learning outcomes:

After passing the course, the student will be able to identify the possibilities for increasing efficiency of business processes using effective and favorable IT solutions and apply the modern concept of integration of business processes using computers (CIM systems)

Syllabus:

Theoretical part:

1. Business and information systems
2. Information system for product and production planning
3. Information system for managing development of products and technologies
4. Information system for managing acquisition and supply
5. Information system for managing stocks
6. Information system for production management
7. Information system for managing maintenance of products and equipment
8. Information system for tool management
9. Information system for quality management
10. Information system for sales management
11. Information system for transport management
12. Information system for cost management
13. Information system for human resources management
14. PPC systems and integration with CAD, CAM, CAQ and CAPP
15. CIM systems

Practical part: practical exercises

Literature:

1. M. Banković, Skripta iz Poznavanja poslovnih procesa, 2008.
2. Dragutin Zelenović, Projektovanje proizvodnih sistema, FTN, Novi Sad, 2005.

Total number of active classes: 45	**Lectures:** 30	**Practical classes:** 15

Teaching methods: Lectures and practical computer exercises

Grading system (maximum 100 points)

grading scale from 5 to 10: below 51 points – student fails the exam, grade 6 from 51- 60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91- 100 points.

Pre-exam obligations:	**Points:**	**Final exam:**	**Points:**
Activity during lectures	max 5	Oral exam	50
Practical training	max 5		
Written test(s)	max 40		
Minimum requirement for the final exam	30		